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## INDEX TO AMERICAN BOTANICAL LITERATURE

1916-1917

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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**Arthur, J. C.** Uredinales of Porto Rico based on collections by H. H. Whetzel and E. W. Olive. *Mycologia* 9: 55-104. 22 Mr 1917.

Includes *Olivea Petitiæ* gen. et sp. nov. and new species in *Physopella* (1), *Uromyces* (1), *Puccinia* (1), *Uredo* (4), and *Ravenelia* (1).

**Bergman, H. F.** Abnormal flower structure in *Oxalis stricta* L. *Rhodora* 19: 41-44. pl. 122. 5 Mr 1917.

**Bioletti, F. T., & Bonnet, L.** Little-leaf of the vine. *Jour. Agr. Research* 8: 381-398. pl. 89-92 + f. 1, 2. 6 Mr 1917.

**Blake, S. F.** *Polymnia wedalia* and its varieties. *Rhodora* 19: 46-48. 5 Mr 1917.

**Blake, S. F.** *Utricularia fibrosa* in Massachusetts. *Rhodora* 19: 38. 14 F 1917.

**Bonaparte, R.** Notes Ptéridologiques. Fasc. I. 1-230. Paris. 14 J1 1915; Fasc. II. 1-219. Paris. 2 D 1915.  
Contains many references to American ferns.

**Børgesen, F.** The marine algae of the Danish West Indies. Part 3. Rhodophyceae (1). *Dansk Bot. Arkiv* 3: 1-80. f. 1-86. 22 Ja 1916; Part 3. Rhodophyceae (2). *Dansk Bot. Arkiv* 3: 81-144. f. 87-148. 5 O 1916.

- Bryan, M. M.** A spurless variety of *Habenaria psycodes* (L.) Sw.  
Ann. Missouri Bot. Gard. 4: 37-42. *pl.* 5. F 1917.
- Buckner, G. D., & Kastle, J. H.** The growth of isolated plant embryos.  
Jour. Biol. Chem. 29: 209-213. Mr 1917.
- Bunzell, H. H., & Hasselbring, H.** The supposed action of potassium permanganate with plant peroxidases. Bot. Gaz. 63: 225-228.  
15 Mr 1917.
- Burlew, F. E.** *Crepis nana*. Bull. S. Calif. Acad. Sci. 16: 13. Ja 1917. [Illust.]
- Burnham, S. H.** The ferns of the Lake George flora, N. Y.—II. Am. Fern Jour. 6: 97-105. D 1916;—III. Am. Fern Jour. 7: 12-15.  
Mr 1917.
- Candolle, C. de.** Piperaceae Philippinenses novae vel nuper repertae.  
Philip. Jour. Sci. 11: (Bot.) 207-225. S 1916.  
Twenty-four new species in *Piper* are described.
- Child, H. W.** Some traits of *Epipactis* in Vermont. Rhodora 19: 38.  
14 F 1917.
- Clark, L.** The acidity of marine algae. Puget Sound Marine Sta Publ. 1: 235, 236. 1916.
- Copeland, E. B.** Growth phenomena of *Dioscorea*. Philip. Jour. Sci. 11: (Bot.) 227-241. S 1916.
- Coulter, J. M.** Botany as a national asset. Science II. 45: 225-231.  
9 Mr 1917.
- Cromwell, R. O.** Fusarium-blight or wilt disease of the soybean.  
Jour. Agr. Research 8: 421-440. *pl.* 95 + *f.* 1. 12 Mr 1917.
- Davidson, A.** Additions to the flora of Los Angeles County. Bull. S. Calif. Acad. Sci. 16: 14. Ja 1917.
- Davidson, A.** *Collinsia monticola* Davidson, sp. nov. Bull. S. Calif. Acad. Sci. 16: 13, 14. Ja 1917. [Illust.]
- Doubt, S. L.** The response of plants to illuminating gas. Bot. Gaz. 63: 209-224. *f.* 1-6. 15 Mr 1917.
- East, E. M.** The bearing of some general biological facts on bud-variation. Am. Nat. 51: 129-143. Mr 1917.
- Evans, A. W.** Notes on North American Hepaticae—VII. Bryologist 20: 17-28. *pl.* 2. Mr 1917.  
Includes *Cololejeunea subcristata* sp. nov.
- Faulwetter, R. C.** Dissemination of the angular leafspot of cotton.  
Jour. Agr. Research 8: 457-475. *f.* 1, 2. 19 Mr 1917.

- Fawcett, W., & Rendle, A. B.** Notes on Jamaica plants. Jour. Bot. **55**: 35-38. F 1917.  
Includes *Cassia Broughtonii* and *Erythroxylum jamaicense*, spp. nov.
- Fernald, M. L.** The genus *Erechtites* in temperate North America. Rhodora **19**: 24-27. 14 F 1917.  
Includes *Erechtites megalocarpa* sp. nov.
- Fernald, M. L.** *Helianthemum dumosum* on the mainland of New England. Rhodora **19**: 58-60. 5 Mr 1917.
- Fernald, M. L.** A new *Luzula* from eastern Canada. Rhodora **19**: 38, 39. 14 F 1917.  
*Luzula campestris* (L.) DC. var. *acadiensis*.
- Fernald, M. L.** The specific characters of *Hepatica americana*. Rhodora **19**: 45, 46. 5 Mr 1917.
- Forsyth, C. C.** A report on some allocthonous peat deposits of Florida. Bot. Gaz. **63**: 190-208. pl. 10, 11. 15 Mr 1917.
- Gail, F. W.** Some poisonous plants of Idaho. Idaho Agr. Exp. Sta. Bull. 86: 1-16. F 1916. [Illust.]
- Galarza, J. B.** Contribución al estudio quebracho colorado. Trab. Inst. Bot. y Farm. Fac. Cien. Med. Buenos Aires. **32**: 1-69. f. 1-33. 1915.
- Gardner, N. L.** A freezing device for the rotary microtome. Bot. Gaz. **63**: 236-239. f. 1. 15 Mr 1917.
- Gates, F. C.** The relation between evaporation and plant succession in a given area. Am. Jour. Bot. **4**: 161-178. f. 1-9. Mr 1917.
- Gates, R. R.** A systematic study of the North American genus *Trillium*, its variability, and its relation to *Paris* and *Medeola*. Ann. Missouri Bot. Gard. **4**: 43-92. pl. 6-8. F 1917.  
Includes *Trillium venosum* sp. nov.
- [**Gladden, E. A.**] Native trees found on the state forest reserve. Ann. Rep. Indiana State Board Forestry **16**: 102-179. pl. 25-79. 1916.
- [**Gladden, E. A.**] Native trees of Indiana planted in the park at the reserve. Ann. Rep. Indiana State Board Forestry **16**: 180-208. pl. 80-104. 1916.
- Gorman, M. W.** List of plants in the vicinity of Portland, Oregon. Muhlenbergia **2**: 351-384. 1 Ap 1916; 385-416. 15 F 1917.
- Groves, J. F.** Temperature and life duration of seeds. Bot. Gaz. **63**: 169-189. f. 1-5. 15 Mr 1917.
- Haas, A. R.** The reaction of plant protoplasm. Bot. Gaz. **63**: 232-235. 15 Mr 1917.

- Hall, H. M.** The relation of farm weeds to hay fever. *Monthly Bull. State Com. Hort. Calif.* 6: 44-51. *f.* 8-11. F 1917.
- Hall, H. M.** Two new Compositae from Nevada. *Muhlenbergia* 2: 341-344. 20 Ja 1916.  
*Tanacetum compactum* and *Chrysanthamnus gramineus*.
- Harper, R. M.** Forest resources of Georgia. Reprinted from "Facts about Georgia." pp. 47-54. 1917. [Illustr.]
- Heald, F. D.** Brown rot of stone fruits. *Washington Agriculturalist* 8: [1-6.] Je 1915.
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- Hill, G. A.** *Spirogyra dubia longiarticulata* Kütz. in Washington. *Puget Sound Marine Sta. Publ.* 1: 234. *pl.* 42. 1916.
- Hodgson, R. W.** The pomegranate. *Calif. Agr. Exp. Sta. Bull.* 276: 163-192. *f.* 1-15. Ja 1917.
- Hoffmann, R.** A glandular form of *Hieracium paniculatum* L. *Rhodora* 19: 37. 14 F 1917.
- Hoffman, R.** Glandularity on *Veronica Anagallis-aquatica* L. *Rhodora* 19: 60. 5 Mr 1917.
- Hosseus, C. C.** La vegetación del Lago Nahuel Huapi y sus montañas. *Trab. Inst. Bot. y Farm. Fac. Cien. Med. Buenos Aires.* 33: 1-102. 1915.
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- Lamb, A. R.** The relative influence of microorganisms and plant enzymes on the fermentation of corn silage. *Jour. Agr. Research* 8: 361-380. *f.* 1-13. 6 Mr 1917.
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Includes descriptions of *Agalinis Greenii*, *Kuhnia Jacobaea*, *Laciniaria fallacior* and *Aster chelonius*, spp. nov.
- MacCaughey, V.** The "air plant," *Bryophyllum*. Hawaiian Forest. & Agr. Month. Mag. **9**: 10-16. f. 1-5. Ja 1912
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- McClintock, J. A.** Peanut-wilt caused by *Sclerotium Rolfsii*. Jour. Agr. Research **8**: 441-448. pl. 96, 97. 19 Mr 1917.
- Merrill, E. D.** Reliquiae robinsonianae. Philip. Jour. Sci. **11**: (Bot.) 243-272. S 1916; 273-319. N 1916.  
Includes descriptions of twenty-seven new species.
- Moxley, G. L.** Plantae Grinnellianae. *Lorquinia* **1**: 57, 58. Mr 1917.
- Nelson, J. C.** A list of Oregon plants not mentioned in the local manuals. *Muhlenbergia* **2**: 345-350. 20 Ja 1916.
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- Stober, J. P.** A comparative study of winter and summer leaves of various herbs. *Bot. Gaz.* **63**: 89-109. 15 F 1917.
- Stone, G. E.** Shade trees, characteristics, adaptation, diseases, and care. *Massachusetts Agr. Exp. Sta. Bull.* **170**: 124-264. f. 1-109. S 1916.
- Sumner, F. B.** The rôle of isolation in the formation of a narrowly localized race of deer-mice (*Peromyscus*). *Am. Nat.* **51**: 173-185. Mr 1917.
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Includes new species in *Ascochyta* (1), *Cercospora* (26), *Colletotrichum* (1), *Coniothyrium* (2), *Exosporium* (3), *Napicladium* (1), *Phleospora* (1), *Phyllachora* (1), *Phyllosticta* (3), *Ramularia* (2), and *Septoria* (7).
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